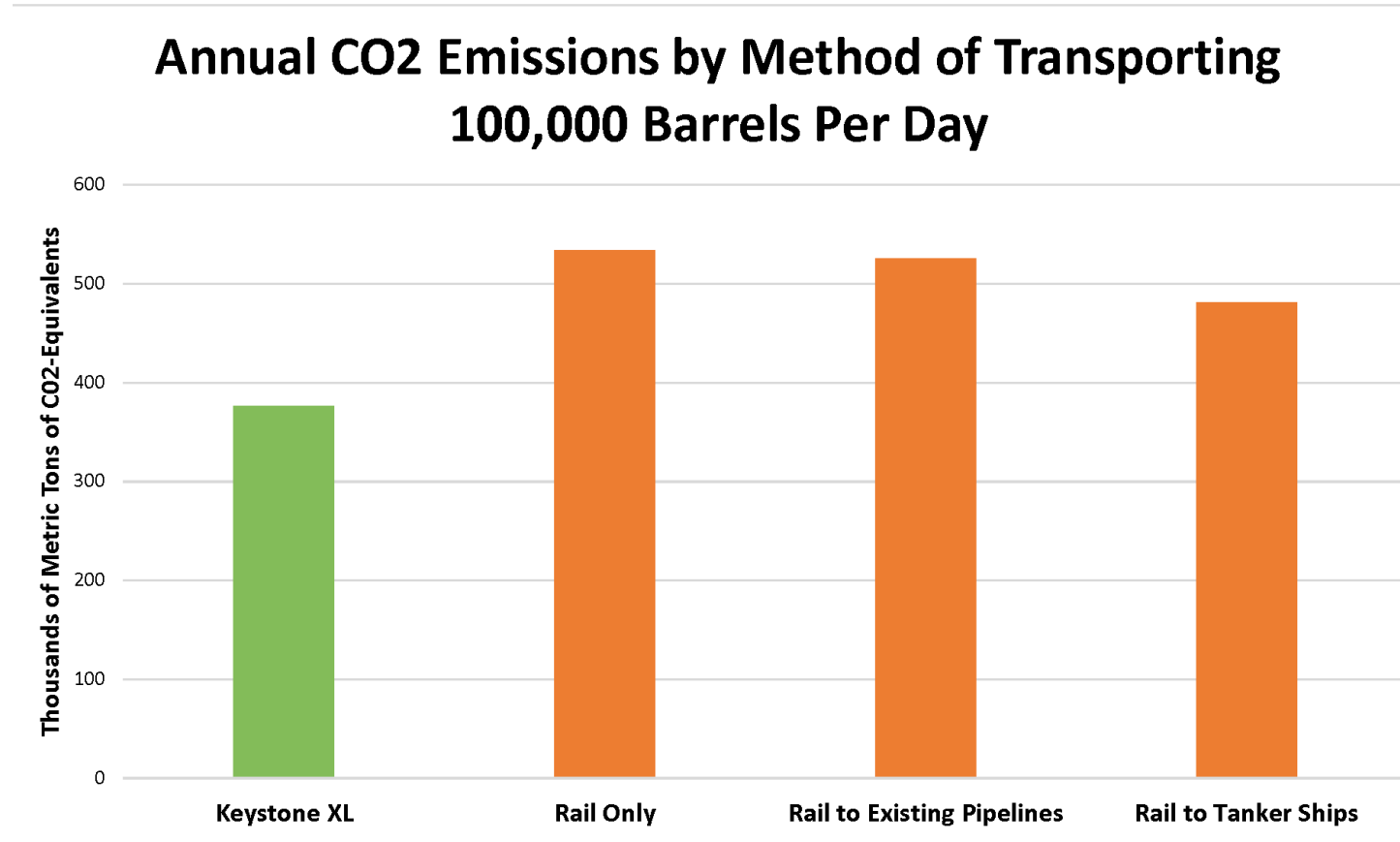
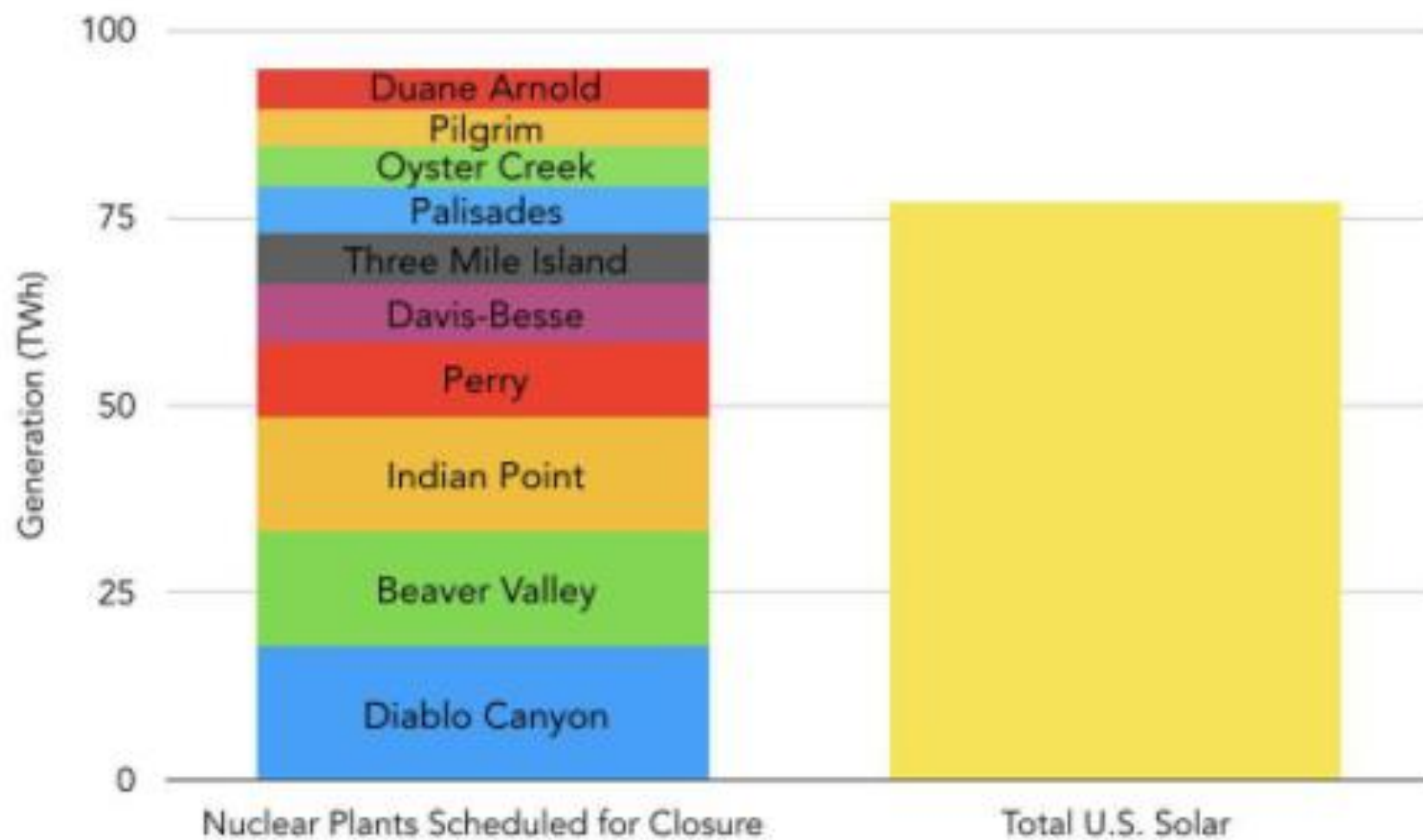


**Democratic Claim:** “We can cut greenhouse gas emissions by killing pipelines”

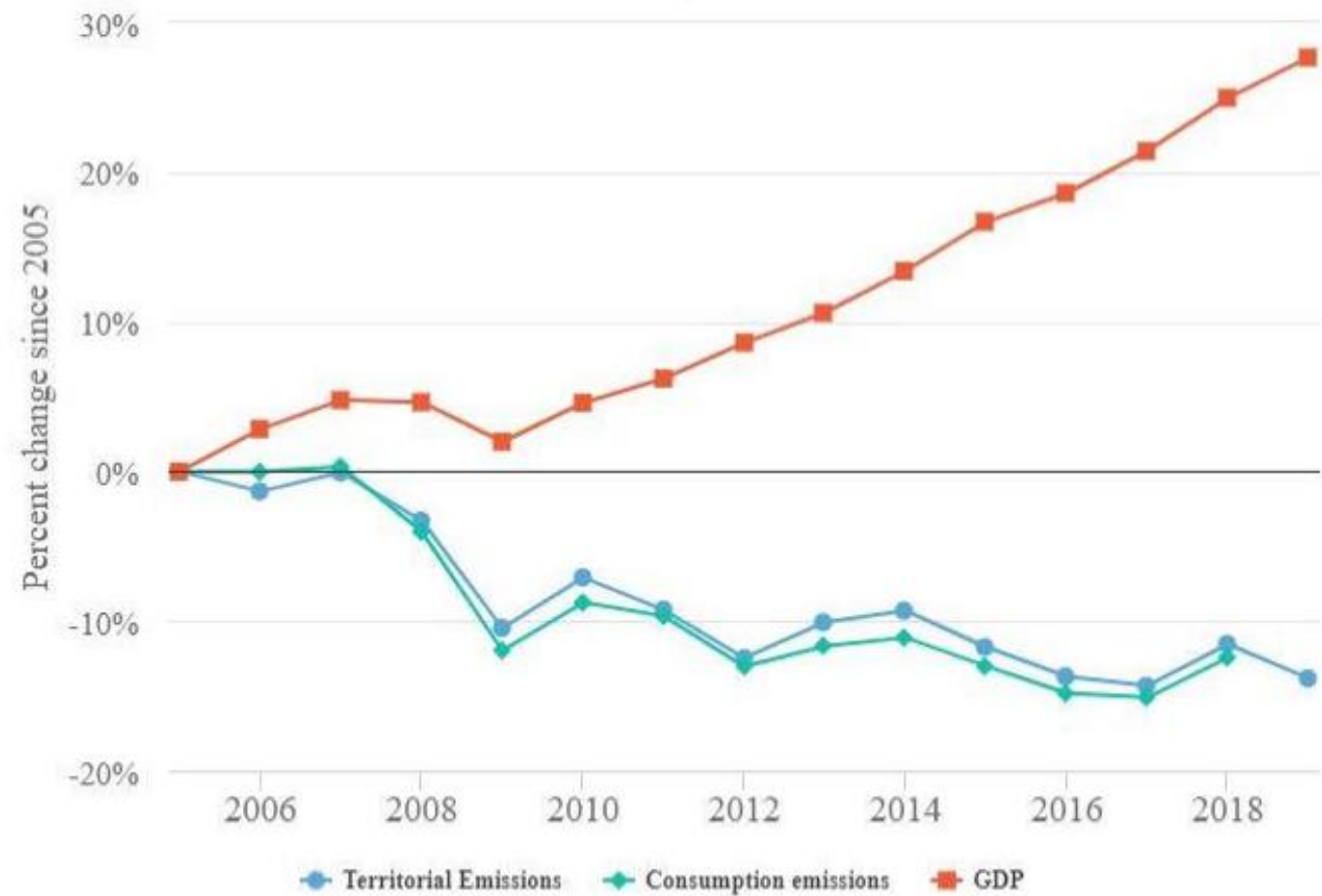
**Fact:** Killing the Keystone XL Pipeline Results in More Greenhouse Gases



Ten nuclear plants scheduled for early closure generated 23 percent more electricity than all US solar in 2017



## Emissions and GDP: United States, 2005-2019



**BREAKTHROUGH**  
INSTITUTE

Figure 4: Changes in territorial emissions, consumption emissions, and GDP relative to 2005 levels in the United States.

# New light on photosynthesis raises hopes of new green revolution

Clive Cookson, Science Editor JANUARY 3 2019

Genetic breakthrough boosts tobacco crop growth 40% with potatoes the next target



Project leader Paul South assesses the progress of engineered tobacco plants grown in real-world conditions © Claire Benjamin/RIPE Project



# Invasive Grasses Promote Wildfires

New study: Continent-wide analysis finds invasive grasses increase fire risk about as much as climate change does

MONDAY, NOVEMBER 4, 2019





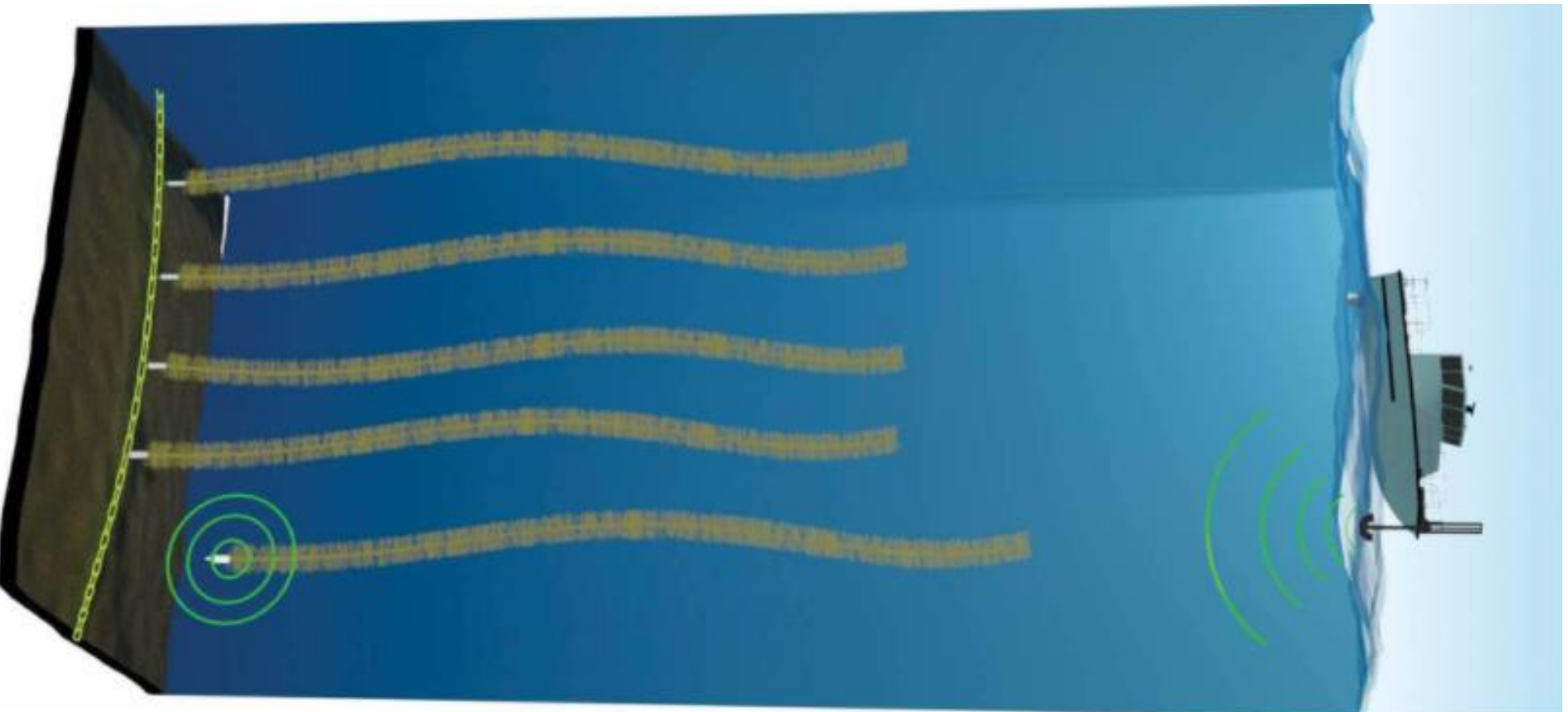
# What if Air Conditioners Could Help Save the Planet Instead of Destroying It?

Scientists propose a framework for modifying AC units to suck in carbon dioxide and spit out fuels for use in vehicles like cargo ships.



# Uranium Seawater Extraction Makes Nuclear Power Completely Renewable

James Conca Contributor ③





# Why Covering Canals With Solar Panels Is a Power Move

Covering waterways would, in a sense, make solar panels water-cooled, boosting their efficiency.

**WIRED**



PHOTOGRAPH: DIANE MILLER/GETTY IMAGES





**These 10 rivers** alone carry more than **90% of the plastic waste** that ends up in the oceans

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# Health and Economic Costs of Chronic Diseases

90% of the nation's \$3.8 trillion in annual health care **expenditures** are for people with chronic and mental health conditions.<sup>1,2</sup>



Centers for Disease Control and Prevention  
CDC 24/7: Saving Lives, Protecting People™



# *Your Recycling Gets Recycled, Right? Maybe, or Maybe Not*

The New York Times



Bales of recyclable waste in Seattle. American waste managers are struggling to find plants to process their recyclables. Wigan Ang for The New York Times



**Excess heat from air  
conditioners causes higher  
nighttime temperatures**

*The World Wants Air-Conditioning. That  
Could Warm the World.*    The New York Times

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# Lasers could cut lifespan of nuclear waste from "a million years to 30 minutes," says Nobel laureate

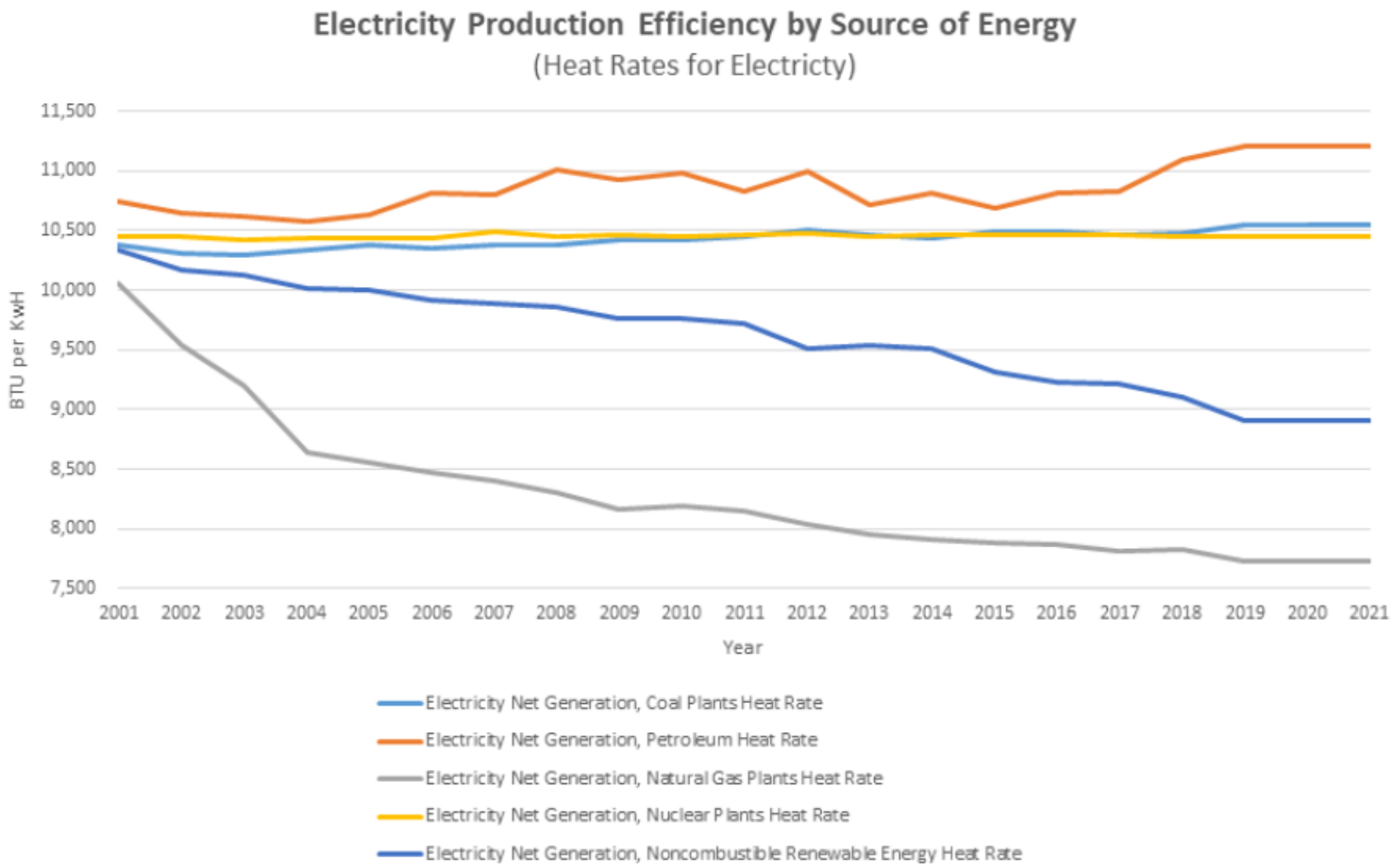
**BIG THINK**

ROBBY BERMAN 04 April, 2019



**Democratic Claim:** “Zero-emission appliances powered by renewable energy heat our buildings more efficiently.”

**FACT:** Natural gas has long been the most efficient way to produce electricity

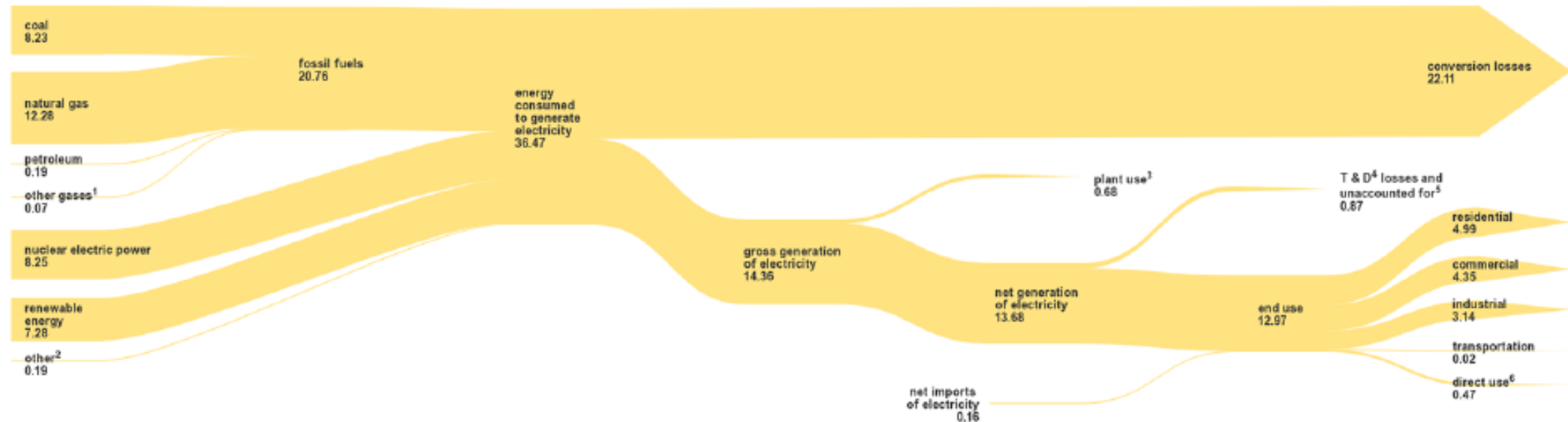




# Democratic Claim: “Phasing our natural gas will reduce planet-warming emissions.”

**FACT: Banning natural gas in homes will increase the consumption of natural gas.**

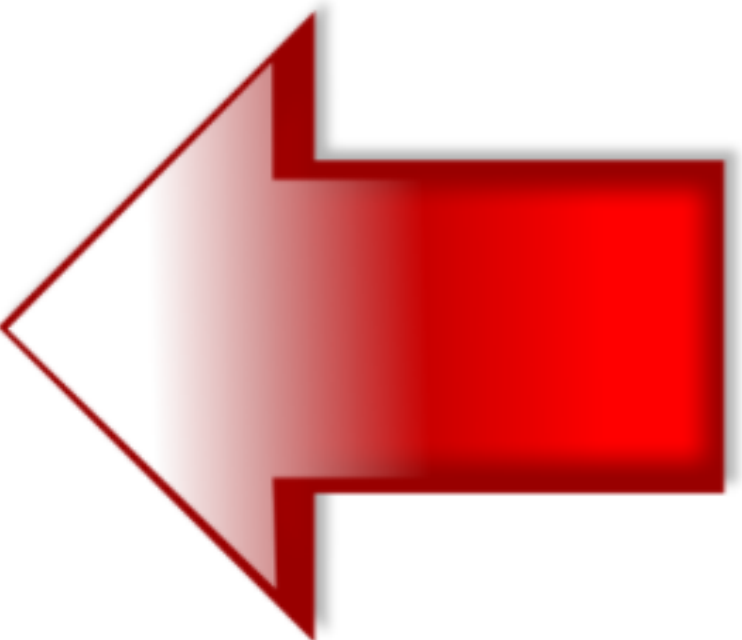
U.S. electricity flow, 2020  
quadrillion Btu



<sup>1</sup> Blast furnace gas and other manufactured and waste gases derived from fossil fuels. | <sup>2</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and non-renewable waste (municipal solid waste from nonbiogenic sources, and tire-derived fuels). | <sup>3</sup> Electric energy used in the operation of power plants. | <sup>4</sup> Transmission and distribution losses (electricity losses that occur between the point of generation and delivery to the customer). | <sup>5</sup> Data collection frame differences and nonsampling error. | <sup>6</sup> Use of electricity that is 1) self-generated, 2) produced by either the same entity that consumes the power or an affiliate, and 3) used in direct support of a service or industrial process located within the same facility or group of facilities that house the generating equipment. Direct use is exclusive of station use. | Notes: • Data are preliminary. • Data are for utility-scale facilities. • See Note 1, "Electrical System Energy Losses," at the end of U.S. Energy Information Administration (EIA), Monthly Energy Review (April 2021), Section 2. • Net generation of electricity includes pumped storage facility production minus energy used for pumping. • Values are derived from source data prior to rounding for publication. • Totals may not equal sum of components due to independent rounding.

**5%**

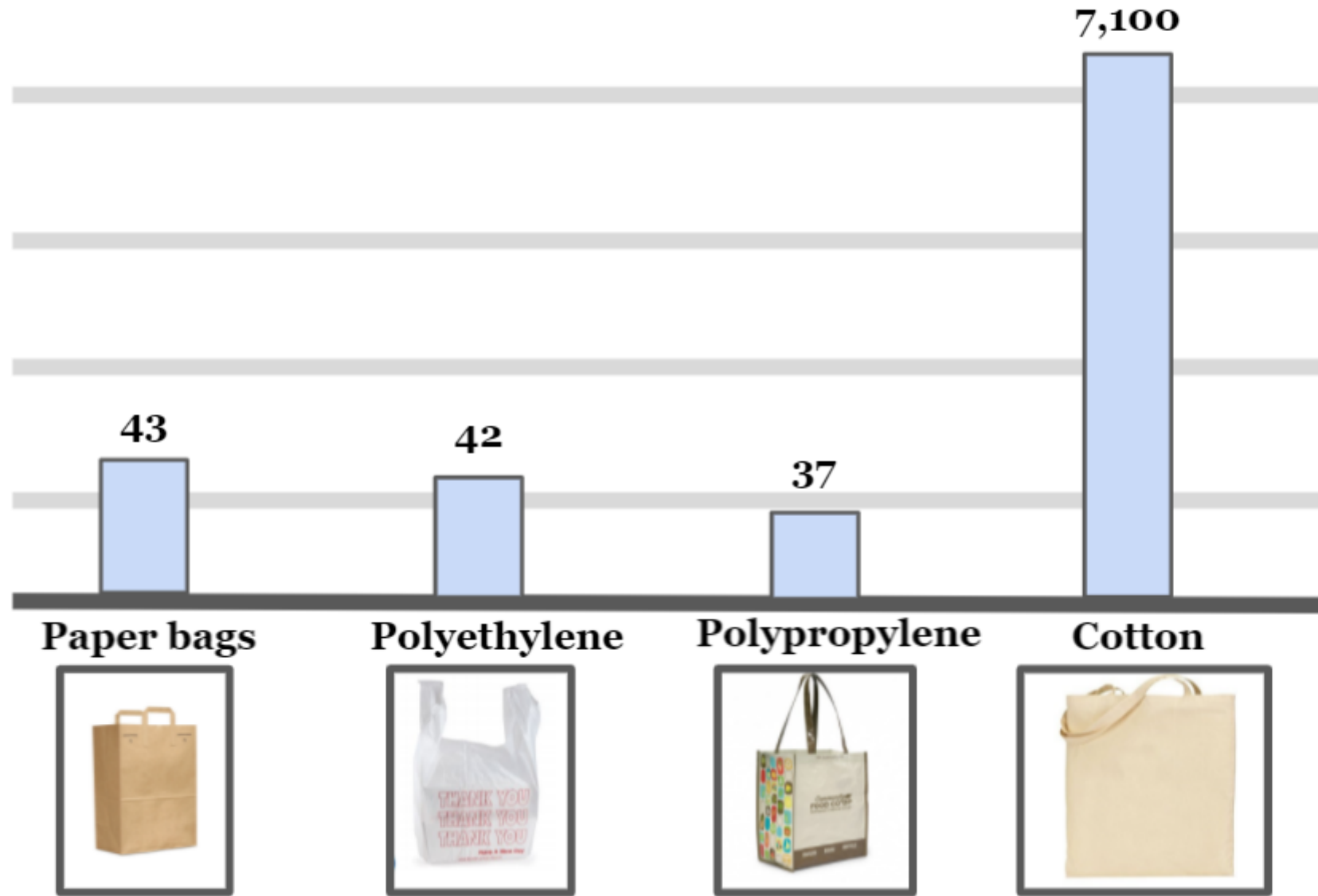
**OF THE U.S. POPULATION**



**50%**

**OF U.S. HEALTHCARE  
SPENDING**

## Uses Required for Recycled Bag to Have Impact over Plastic Bags





# Disproportionate Spending in Health Care

**5%** *OF THE U.S. POPULATION WITH CHRONIC  
CONDITIONS ACCOUNTS FOR*



**50%** *OF U.S. HEALTHCARE SPENDING*

## **Democratic Claim:** “Cities should consider measures to phase out gas hookups amid climate concerns

**FACT:** Banning natural gas would hurt American families by forcing them to switch to costlier alternatives

